



## PAR36 12V

### Open Back Machined Fixture PM615ob

Catalog # \_\_\_\_\_

Type \_\_\_\_\_

Project \_\_\_\_\_

A machined aluminum track fixture for low voltage PAR36 lamps for 35 or 50 watts. For use with RSA Profile Series 60 Amp Busway.

Front loading lamp with bayonet action lens / accessory bezel. Optical accessories are captured in the bezel with a threaded retainer ring preventing accessory spill-out during relamping. Can accommodate up to three optical accessories.

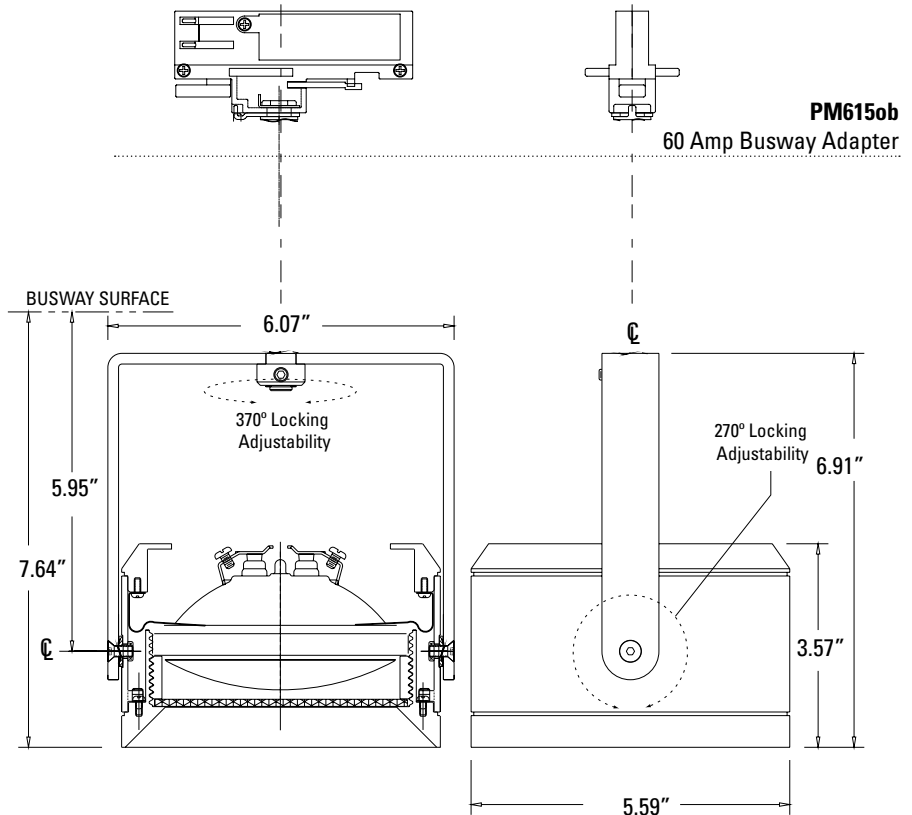
Auto extending / retracting lamp holder. Lamps extend for easy access and automatically retract to optimum position. This is extremely helpful when dealing with varying accessory combinations or differing manufacturer lamp dimensions.

Optical accessories include color filters, UV filters, screens, spread lenses, louvers, hex louvers, snoots. Consult RSA for details.

Locking on both the horizontal and vertical planes. 370° vertical rotation possible due to over-center locking mechanism (60 amp busway only). 270° horizontal locking adjustment.

UL and CUL listed

Available in White, Black, Natural Aluminum or custom finishes.



#### Open Back Machined Fixture

☐ **PM615ob** - PAR36 for 60 Amp Busway

#### Lamp Wattage

☐ **35** 35 Watt 12V PAR36

☐ **50** 50 Watt 12V PAR36

#### Finish

☐ **WH** White

☐ **BK** Black

☐ **AL** Natural Aluminum

☐ **PT** Custom Finish

Ordering Example: **PM615ob-50-AL**



## Lamp Performance Data

D = Distance to the horizontal or vertical surface.

FC = Initial footcandles at the center of the beam.

L = Length of the beam where candlepower is reduced to 50% of center beam candlepower.

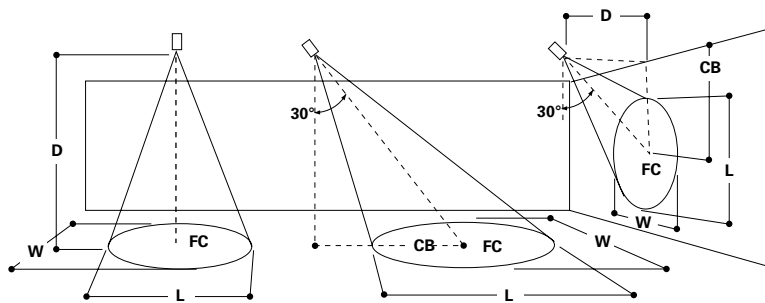
W = Width of the beam where candlepower is reduced to 50% of center beam candlepower.









CB = Distance to the center of the beam.

Lamp data given is typical and is based on bare lamp performance.

Contact lamp manufacturers for availability and specific performance.

Distance, length and width given in decimal feet.



|   |                         | 0° Aiming Angle<br>Horizontal Footcandles |    |     |     | 30° Aiming Angle<br>Horizontal Footcandles |     |      |     |     | 30° Aiming Angle<br>Vertical Footcandles |     |     |     |     | 45° Aiming Angle<br>Vertical Footcandles |     |     |     |     |      |
|---|-------------------------|---|----|-----|-----|--|-----|------|-----|-----|--|-----|-----|-----|-----|--|-----|-----|-----|-----|------|
|   |                         | D   | FC | L   | W   | D  | FC  | L    | W   | CB  | D  | FC  | L   | W   | CB  | D  | FC  | L   | W   | CB  |      |
| PAR36 12V Halogen Screw Terminal  |                         |   |    |     |     |  |     |      |     |     |  |     |     |     |     |  |     |     |     |     |      |
|    | 35 PAR36 /H /SP5        | GEL                                       | 10 | 250 | 1.0 | 1.0  | 8   | 254  | 0.9 | 0.9 | 4.6                                      | 3   | 347 | 1.0 | 0.5 | 5.2                                      | 6   | 246 | 1.0 | 0.7 | 6.0  |
|   | Beam Spread = 5° x 5°   |   | 14 | 128 | 1.4 | 1.4  | 10  | 162  | 1.1 | 1.1 | 5.8                                      | 5   | 125 | 1.7 | 0.8 | 8.7                                      | 8   | 138 | 1.3 | 0.9 | 8.0  |
|   | CBCP = 25,000           |   | 18 | 77  | 1.9 | 1.9  | 12  | 113  | 1.4 | 1.3 | 6.9                                      | 7   | 64  | 2.4 | 1.1 | 12.1                                     | 10  | 88  | 1.6 | 1.0 | 10.0 |
|   | Rated Life = 4,000 Hrs. |   | 22 | 52  | 2.3 | 2.3  | 14  | 83   | 1.6 | 1.5 | 8.1                                      | 9   | 39  | 3.0 | 1.5 | 15.6                                     | 12  | 61  | 1.9 | 1.4 | 12.0 |
|    | 35 PAR36 /H /SP8        | GEL                                       | 8  | 312 | 0.8 | 0.8  | 7   | 265  | 0.8 | 0.7 | 4.0                                      | 3   | 278 | 0.9 | 0.5 | 5.2                                      | 5   | 283 | 0.7 | 0.6 | 5.   |
|   | Beam Spread = 8° x 8°   |   | 12 | 139 | 1.2 | 1.2  | 10  | 130  | 1.1 | 1.0 | 5.8                                      | 4   | 156 | 1.2 | 0.7 | 6.9                                      | 7   | 144 | 1.0 | 0.7 | 7.0  |
|   | CBCP = 20,000           |   | 16 | 78  | 1.6 | 1.6  | 13  | 77   | 1.4 | 1.4 | 7.5                                      | 5   | 100 | 1.5 | 0.8 | 8.7                                      | 9   | 87  | 1.3 | 0.9 | 9.0  |
|   | Rated Life = 4,000 Hrs. |   | 20 | 50  | 2.0 | 2.0  | 16  | 51   | 1.7 | 1.7 | 9.2                                      | 6   | 69  | 1.8 | 1.0 | 10.4                                     | 11  | 58  | 1.5 | 1.1 | 11.0 |
|    | 35 PAR36 /H /FL30       | GEL                                       | 2  | 225 | 0.9 | 1.3  | 2   | 165  | 1.1 | 1.4 | 1.2                                      | 1.0 | 204 | 0.8 | 1.0 | 1.7                                      | 1.5 | 190 | 1.0 | 1.2 | 1.5  |
|   | Beam Spread = 30° x 30° |   | 3  | 100 | 1.4 | 2.0  | 3   | 73   | 1.7 | 2.2 | 1.7                                      | 1.5 | 91  | 1.3 | 1.5 | 2.6                                      | 2.0 | 107 | 1.4 | 1.7 | 2.0  |
|   | CBCP = 900              |   | 4  | 56  | 1.9 | 2.6  | 4   | 41   | 2.3 | 2.9 | 2.3                                      | 2.0 | 51  | 1.7 | 2.0 | 3.5                                      | 2.5 | 68  | 1.7 | 2.1 | 2.5  |
|   | Rated Life = 4,000 Hrs. |   | 5  | 36  | 2.3 | 3.3  | 5   | 26   | 2.8 | 3.6 | 2.9                                      | 2.5 | 33  | 2.1 | 2.5 | 4.3                                      | 3.0 | 48  | 2.1 | 2.5 | 3.0  |
|    | 50 PAR36 /H /SP5        | GEL                                       | 10 | 350 | 1.0 | 1.0  | 9   | 281  | 0.9 | 1.0 | 5.2                                      | 4   | 273 | 1.1 | 0.7 | 6.9                                      | 7   | 253 | 0.9 | 0.9 | 7.0  |
|   | Beam Spread =5° x 5°    |   | 15 | 156 | 1.5 | 1.5  | 13  | 135  | 1.4 | 1.4 | 7.5                                      | 6   | 122 | 1.6 | 1.1 | 10.4                                     | 9   | 153 | 1.2 | 1.1 | 9.0  |
|   | CBCP = 35,000           |   | 20 | 87  | 2.0 | 2.0  | 17  | 79.0 | 1.8 | 1.8 | 9.8                                      | 8   | 68  | 2.2 | 1.5 | 13.9                                     | 11  | 102 | 1.4 | 1.4 | 11.0 |
|   | Rated Life = 4,000 Hrs. |   | 25 | 56  | 2.6 | 2.6  | 21  | 52.0 | 2.2 | 2.3 | 12.1                                     | 10  | 44  | 2.7 | 1.9 | 17.3                                     | 13  | 73  | 1.7 | 1.6 | 13.0 |
|  | 50 PAR36 /H /SP8        | GEL                                       | 10 | 300 | 1.0 | 1.1  | 8   | 304  | 0.9 | 0.9 | 4.6                                      | 4   | 234 | 1.4 | 0.8 | 6.9                                      | 6   | 295 | 1.0 | 0.8 | 6.0  |
|   | Beam Spread = 8° x 8°   |   | 15 | 133 | 1.6 | 1.6  | 12  | 135  | 1.4 | 1.4 | 6.9                                      | 5   | 150 | 1.7 | 1.1 | 8.7                                      | 8   | 166 | 1.3 | 1.1 | 8.0  |
|   | CBCP = 30,000           |   | 20 | 75  | 2.1 | 2.1  | 16  | 76   | 1.8 | 1.8 | 9.2                                      | 6   | 104 | 2.1 | 1.3 | 10.4                                     | 10  | 106 | 1.6 | 1.3 | 10.0 |
|   | Rated Life = 4,000 Hrs. |   | 25 | 48  | 2.6 | 2.7  | 20  | 49   | 2.3 | 2.3 | 11.5                                     | 7   | 77  | 2.4 | 1.5 | 12.1                                     | 12  | 74  | 2.0 | 1.6 | 12.0 |
|  | 50 PAR36 /H /FL30       | GEL                                       | 2  | 325 | 0.9 | 1.3  | 2.0 | 224  | 1.2 | 1.4 | 1.2                                      | 1.0 | 262 | 1.0 | 1.0 | 1.7                                      | 1.5 | 248 | 1.1 | 1.2 | 1.5  |
|   | Beam Spread = 30° x 30° |   | 3  | 144 | 1.4 | 1.9  | 3.0 | 99   | 1.8 | 2.1 | 1.7                                      | 1.5 | 117 | 1.5 | 1.5 | 2.6                                      | 2.0 | 140 | 1.5 | 1.6 | 2.0  |
|   | CBCP = 1,300            |   | 4  | 81  | 1.9 | 2.5  | 4.0 | 56   | 2.3 | 2.8 | 2.3                                      | 2.0 | 66  | 2.0 | 2.0 | 3.5                                      | 2.5 | 89  | 1.9 | 2.0 | 2.5  |
|   | Rated Life = 4,000 Hrs. |   | 5  | 52  | 2.3 | 3.2  | 5.0 | 36   | 2.9 | 3.6 | 2.9                                      | 2.5 | 42  | 2.6 | 2.5 | 4.3                                      | 3.0 | 62  | 2.2 | 2.4 | 3.0  |
| PAR36 12V Incandescent Screw Terminal   |                         |   |    |     |     |  |     |      |     |     |  |     |     |     |     |  |     |     |     |     |      |
|  | 50 PAR36 VN5P           | GEL                                       | 8  | 297 | 1.3 | 1.3  | 8   | 223  | 1.5 | 1.4 | 4.6                                      | 4   | 297 | 2.1 | 1.3 | 6.9                                      | 6   | 264 | 1.7 | 1.3 | 6.0  |
|   | Beam Spread = 5° x 5°   |   | 12 | 132 | 1.7 | 1.7  | 11  | 118  | 1.9 | 1.7 | 6.4                                      | 6   | 132 | 2.8 | 1.7 | 10.4                                     | 9   | 117 | 2.3 | 1.7 | 9.0  |
|   | CBCP = 19,000           |   | 16 | 74  | 2.1 | 2.1  | 14  | 73   | 2.3 | 2.1 | 8.1                                      | 8   | 74  | 3.6 | 2.1 | 13.9                                     | 12  | 66  | 2.8 | 2.2 | 12.0 |
|   | Rated Life = 2,000 Hrs. |   | 20 | 48  | 2.4 | 2.4  | 17  | 49   | 2.7 | 2.4 | 9.8                                      | 10  | 48  | 4.4 | 2.4 | 17.3                                     | 15  | 42  | 3.4 | 2.6 | 15.0 |
|  | 50 PAR36 /NSP           | GEL                                       | 6  | 306 | 0.7 | 0.8  | 6   | 198  | 0.9 | 0.9 | 3.5                                      | 2   | 344 | 0.9 | 0.6 | 3.5                                      | 4   | 243 | 0.9 | 0.8 | 4.0  |
|   | Beam Spread = 8° x 8°   |   | 8  | 172 | 1.0 | 1.1  | 8   | 112  | 1.2 | 1.3 | 4.6                                      | 3   | 153 | 1.3 | 0.9 | 5.2                                      | 5   | 156 | 1.1 | 1.0 | 5.   |
|   | CBCP = 11,000           |   | 10 | 110 | 1.2 | 1.2  | 10  | 71   | 1.5 | 1.6 | 5.8                                      | 4   | 86  | 1.7 | 1.1 | 6.9                                      | 6   | 108 | 1.3 | 1.2 | 6.0  |
|   | Rated Life = 2,000 Hrs. |   | 12 | 76  | 1.4 | 1.4  | 12  | 50   | 1.8 | 1.9 | 6.9                                      | 5   | 55  | 2.2 | 1.4 | 8.7                                      | 7   | 79  | 1.6 | 1.4 | 7.0  |

| Optivex UV<br>Filter     | Red Color<br>Filter     | Blue Color<br>Filter    | Amber Color<br>Filter   | Cosmetic Peach<br>2800K Filter | Milk White<br>Lens | Diffusion Spread<br>Lens | Linear Spread<br>Lens |
|--------------------------|-------------------------|-------------------------|-------------------------|--------------------------------|--------------------|--------------------------|-----------------------|
| <b>LN85</b>              | <b>LN86</b>             | <b>LN87</b>             | <b>LN89</b>             | <b>CP111</b>                   | <b>LN84</b>        | <b>LN81</b>              | <b>LN83</b>           |
| Prismatic Spread<br>Lens | 20% Reduction<br>Screen | 30% Reduction<br>Screen | 40% Reduction<br>Screen | Hex Cell<br>Louver             | Cross<br>Baffle    | Snoot                    |                       |
| <b>LN82</b>              | <b>RS2036</b>           | <b>RS3036</b>           | <b>RS4036</b>           | <b>LN80</b>                    | <b>CB111</b>       | <b>SN36</b>              |                       |